		Exploring the E	xtreme
		2004 Scien	
		Standard Course	
North Carolina Scie	nce		
Grade 1			
Activity/Lesson	State	Standards	
Activity/LC33011	Otate	Otanidaids	
Finding the Center of			Investigate and observe that objects can
Gravity Using Rulers		SCI.1.4.03	move steadily or change direction.
Cravity Comig Raioro		001.11.1.00	move diduciny or change an editori.
		Exploring the E	ixtreme
		2004 Scien	
		Standard Course	
North Carolina Scie	nce		
Grade 5			
Activity/Lesson	State	Standards	
			Build and use a model to solve a mechanical
Jet Propulsion	NC	SCI.5.4.06.a	design problem. Devise a test for the model.
			Build and use a model to solve a mechanical
Vectoring	NC	SCI.5.4.06.a	design problem. Devise a test for the model.
		Exploring the E	
		2004 Scien	
		Standard Course	of Study
North Carolina Scie	nce		
Grade 6			
Activity/Lesson	State	Standards	
			Develop appropriate experimental
Jet Propulsion	NC	SCI.6.1.02.a	procedures for: Given questions.
			Develop appropriate experimental
			procedures for: Student generated
Jet Propulsion	NC	SCI.6.1.02.b	questions.
			Develop appropriate experimental
Vectoring	NC	SCI.6.1.02.a	procedures for: Given questions.
			Develop appropriate experimental
		201 0 4 00 1	procedures for: Student generated
Vectoring	NC	SCI.6.1.02.b	questions.
Martada	NO	001.04.05	Develop appropriate experimental
Vectoring	NC	SCI.6.1.05.a	procedures for: Explain observations.
			Develop appropriate experimental
Martada	NO	001 0 4 05 1	procedures for: Make inferences and
Vectoring	NC	SCI.6.1.05.b	predictions.
\/ootoric=	NC	001.04.05	Develop the relationship between evidence
Vectoring	NC	SCI.6.1.05.c	and explanation.
\/ootoring	NC	CCI C 4 00 F	Defend conclusions of scientific
Vectoring	NC	SCI.6.1.08.b	investigations.
			Develop appropriate experimental
			procedures for: Develop appropriate
\/ootorina	NC	COL 6 4 00 F	experimental procedures for: Gather and
Vectoring	NC	SCI.6.1.09.b	analyze data.

			Develop appropriate experimental						
			procedures for: Disseminate findings to						
Vectoring	NC	SCI.6.1.09.d	others.						
Center of Gravity,			Develop appropriate experimental						
Pitch, Yaw	NC	SCI.6.1.06.a	procedures for: Measurement.						
1 11011, 1 411	1.10	Conorridoia	procedures for medearoment						
	L	Exploring the E	xtreme						
2004 Science Standard Course of Study									
Grade 7									
Activity/Lesson	State	Standards							
			Develop appropriate experimental						
Jet Propulsion	NC	SCI.7.1.02.a	procedures for: Given questions.						
			Develop appropriate experimental						
			procedures for: Student generated						
Jet Propulsion	NC	SCI.7.1.02.b	questions.						
			Develop appropriate experimental						
Vectoring	NC	SCI.7.1.02.a	procedures for: Given questions.						
			Develop appropriate experimental						
			procedures for: Student generated						
Vectoring	NC	SCI.7.1.02.b	questions.						
		001 - 4 0-	Develop appropriate experimental						
Vectoring	NC	SCI.7.1.05.a	procedures for: Explain observations.						
			Develop appropriate experimental						
			procedures for: Make inferences and						
Vectoring	NC	SCI.7.1.05.b	predictions.						
		001 = 4 00 1	Develop appropriate experimental						
Vectoring	NC	SCI.7.1.09.b	procedures for: Gather and analyze data.						
Vectoring	NC	SCI.7.1.09.d	Disseminate findings to others.						
Center of Gravity,		201 - 4 22	Develop appropriate experimental						
Pitch, Yaw	NC	SCI.7.1.06.a	procedures for: Measurement.						
		Exploring the E	ytreme						
		2004 Scien							
		Standard Course							
North Carolina Sci	ence								
Grade 8									
Activity/Lesson	State	Standards							
			Develop appropriate experimental						
Jet Propulsion	NC	SCI.8.1.02.a	procedures for: Given questions.						
			Develop appropriate experimental						
			procedures for: Student generated						
Jet Propulsion	NC	SCI.8.1.02.b	questions.						
Jet Propulsion	NC	SCI.8.1.05.a	Analyze evidence to: Explain observations.						
			Develop appropriate experimental						
Vectoring	NC	SCI.8.1.02.a	procedures for: Given questions.						
			Develop appropriate experimental						
			procedures for: Student generated						
Vectoring	NC	SCI.8.1.02.b	questions.						
Vectoring	NC	SCI.8.1.05.a	Analyze evidence to: Explain observations.						

			Analyze evidence to: Make inferences and
Vectoring	NC	SCI.8.1.05.b	predictions.
			Prepare models and/or computer simulations
Vectoring	NC	SCI.8.1.07.c	to: Make predictions.
Vectoring	NC	SCI.8.1.09.b	Gather and analyze data.
			Use mathematics to gather, organize, and
Center of Gravity,			present quantitative data resulting from
Pitch, Yaw	NC	SCI.8.1.06.a	scientific investigations: Measurement.